(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 15 July 2004 (15.07.2004)

(10) International Publication Number WO 2004/059927 A1

(51) International Patent Classification7: H04Q 11/04

H04L 12/56,

(21) International Application Number:

PCT/NO2002/000496

(22) International Filing Date:

27 December 2002 (27.12.2002)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): TELE-FONAKTIEBOLAGET LM ERICSSON (publ). [SE/SE]; SE 164 83 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MOLDESTAD, Terje [NO/NO]; Mørchs Bakke 5, N-4839 Arendal (NO). HEIMDAL, Per, Eirik [NO/NO]; Toraldåsen 67, N-4886 Grimstad (NO). NJØLSTAD, Halvard, Widerøe [NO/NO]; Egstien 4A, N-4615 Kristiansand (NO). VEGGE, Berner [NO/NO]; Vegge, N-4580 Lyngdal (NO).
- (74) Agent: OSLO PATENTKONTOR AS; P.O. Box 7007 M, N-0306 Oslo (NO).

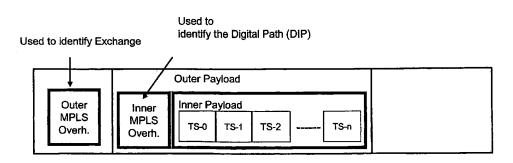
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims and statement

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TUNNELLING TDM TRAFFIC OVER MPLS



(57) Abstract: The present invention provides a method for transporting TDM traffic through packet switched networks. The nodes of the packet switched network are MPLS adjusted, and the timeslots of a TDM connection are encapsulated in data frames in the transmitting circuit switched node, and added one or more MPLS label(s) by means of the MPLS label stacking concept to identify the fixed path through the packet switched network and to uniquely address the PCM system of the circuit switched receiving node. The present invention is particularly useful for transmission of real-time data traffic through IP network.



